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## 1 XML schema

Charles E. Campbell, Andrew Eisenberg, Jim Malton

June 2003

SIGMOD Record , Volume 32 Issue 2

Publisher: ACM

Full text available PDF (397.29 KB)

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## 2 Expressiveness and complexity of XML Schema

Wim Martens, Frank Neven, Thomas Schwentick, Geert Jan Bex

September 2006

Transactions on Database Systems (TODS) , Volume 31 Issue 3

Publisher: ACM Request Permissions

Full text available PDF (558.45 KB)

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The common abstraction of XML Schema by unranked regular tree languages is not entirely accurate. To shed some light on the actual expressive power of XML Schema, intuitive semantical characterizations of the Element Declarations Consistent (EDC) rule ...

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Keywords XML, XML Schema, validation

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## 3 Simple off the shelf abstractions for XML schema

Wim Martens, Frank Neven, Thomas Schwentick

September 2007

SIGMOD Record , Volume 36 Issue 3

Publisher: ACM

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Although the advent of XML Schema [25] has rendered DTDs obsolete, research on practical XML optimization is mostly biased towards DTDs and tends to largely ignore XSDs (some notable exceptions non-withstanding). On the underlying reasons is most ...

## 4 Taxonomy of XML schema languages using formal language theory

Makoto Murata, Dongwon Lee, Murali Mani, Katsuko Kawaguchi

November 2005

Transactions on Internet Technology (TOIT) , Volume 5 Issue 4

Publisher: ACM Request Permissions

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On the basis of regular tree grammars, we present a formal framework for XML schema languages. This framework helps to describe, compare, and implement such schema languages in a rigorous manner. Our main results are as follows: (1) a simple framework ...

Keywords XML, interpretation, schema, tree automaton, validation

## 5 Inferring XML schema definitions from XML data

Geert Jan Bex, Frank Neven, Sjoen Vansummeren

September 2007

VLDB '07: Proceedings of the 33rd international conference on Very large data base

Publisher: VLDB Endowment

Full text available PDF (325.76 KB)

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